



GE Silicones

FORMAT: USA

MATERIAL SAFETY DATA SHEET

PRODUCT: GE39479

POLYURETHANE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

SUPPLIED BY:

SIKA CORPORATION

GE SEALANTS & ADHESIVES

201 POLITO AVE

260 HUDSON RIVER ROAD

LYNDHURST, NJ 07071

WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

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(201) 933-8800

518-237-3330

REVISED: 09/13/02

PREPARED BY: J.L. MCGUFFEY

CHEMICAL FAMILY/USE: MIXTURE

FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
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HAZARDOUS

NJTSRN 02944800-5134P

VENDOR	<99	NE	NE	NE	NE	
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NJTSRN 02944800-5135P

VENDOR	<99	NE	NE	NE	NE	
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NJTSRN 02944800-5211P

VENDOR	<99	NE	NE	NE	NE	
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XYLENES

1330-20-7	1-5	100	150	100	150	PPM
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ETHYLBENZENE

100-41-4	<1	100	125	100	125	PPM
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BENZENE

71-43-2	<1	0.5	2.5	1	5	PPM
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2. NON-HAZARDOUS

CALCIUM CARBONATE

1317-65-3	<99	10	NA	15	NE	MG/M3
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See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

1

EMERGENCY OVERVIEW:

Irritating to skin, eyes, and respiratory tract.

Harmful if swallowed, inhaled, or absorbed through skin.

May cause adverse liver, kidney, and CNS effects.

WARNING! POSSIBLE CANCER HAZARD

May cause allergic skin reaction.

May cause adverse reproductive effects.

May cause adverse cardiac effects.

Combustible solid.

POTENTIAL HEALTH EFFECTS:

INGESTION:

Irritation of the mouth, throat, and stomach.

May cause pulmonary edema.

May be harmful if swallowed.

May cause liver and kidney damage.

May cause headache, dizziness, nausea, vomiting,
gastrointestinal irritation and central nervous system
depression.

May effect the blood and blood system.

May affect the heart and cardiovascular system.

May cause pneumonitis as a result of aspiration.

SKIN CONTACT:

May cause an allergic skin reaction.

May be absorbed through skin and produce effects as listed under 'Ingestion'.

Can cause irritation and reddening of the skin.

INHALATION:

Excessive inhalation causes headache, dizziness, nausea and incoordination.

Avoid breathing any vapors or mist generated during the processing of this material.

Can irritate mucous membranes and respiratory tract with coughing and shortness of breath.

EYE CONTACT:

Contact can cause severe irritation and conjunctivitis (redness and swelling).

MEDICAL CONDITIONS AGGRAVATED:

Liver, kidney

Central nervous system disorders.

Pre-existing skin or respiratory diseases.

Cardiovascular disorders.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

Central nervous system

Kidneys

Liver

Bone marrow and hematopoietic (blood forming) system

Skin

Cardiovascular effects.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is listed as a carcinogen or potential carcinogen by NTP,

IARC or OSHA X Yes ___ No

PRODUCTS/INGREDIENTS

In a National Toxicology Program (NTP) 2-year study of Ethylbenzene in rats and mice, there was clear evidence of carcinogenic activity in male rats, based on increased incidence of renal tubule neoplasms and testicular adenoma. There was

some evidence of carcinogenic activity in female rats, based on increases of renal tubule adenoma. In mice, there was also some evidence of carcinogenic activity based on increased incidence of alveolar/bronchiolar neoplasms and hepatocellular neoplasms for males and females, respectively.

PRINCIPLE ROUTES OF EXPOSURE:

Inhalation.

Absorption through skin.

Ingestion.

OTHER

Stimulants such as epinephrine may induce ventricular fibrillation.

The metabolism of other solvents may be inhibited resulting in a potentiation of toxic effects of those chemicals. Uptake is directly proportional to the amount of body fat. Blood levels may be cumulative when exposure is extended.

Alcohol may enhance toxic effects.

Interactions with drugs may occur. May impair performance and alertness.

4. FIRST AID MEASURES

INGESTION:

DO NOT INDUCE VOMITING.

To avoid aspiration should vomiting occur, have the person lean forward.

Get immediate medical attention.

If victim is conscious, give 2-4 glasses of water.

Never induce vomiting unless specifically directed by qualified medical personnel.

Never give anything by mouth to an unconscious person.

SKIN

Remove contaminated clothing and launder before reuse.

Wash with soap and water.

Get medical attention if irritation or symptoms from Section 3 develop.

Flush skin with large amounts of water for at least 15 minutes until no evidence of chemical remains.

INHALATION:

Remove victim from source of exposure.

Get medical attention if irritation or symptoms from Section 3 develop.

If not breathing, begin artificial respiration using a barrier device. Because of chemical properties, do not use mouth to-mouth contact.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

Treatment is symptomatic and supportive.

5. FIRE FIGHTING MEASURES

FLASH POINT: 61.667 (C) 143 (F)
METHOD: UNK
IGNITION TEMP: NA (C) NA (F)
FLAMMABLE LIMITS IN AIR - LOWER (%): NA
FLAMMABLE LIMITS IN AIR - UPPER (%): NA
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE:
Sensitivity to static discharge is expected; material has a flash point below 200 F.
EXTINGUISHING MEDIA:
Carbon dioxide
Dry chemical

Foam

Do not flush down public sewers or other drainage systems.

SPECIAL FIREFIGHTING PROCEDURES:

Combustible.

Cool exposed containers with water spray after extinguishing fire.

This product or a component thereof can flow along surfaces to reach a distant ignition source and flash back.

Fire may produce poisonous or irritating gas, fumes, or vapors.

See Section 10 for hazardous decomposition products.

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Runoff to sewer may cause fire or explosion hazard.

Vapors may concentrate in confined areas.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment as specified in the protective equipment section.

Remove sources of ignition.

Warn other workers of spill.

Increase area ventilation.

Person not trained should evacuate area.

Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers.

Avoid runoff to natural waters a component is known to be toxic to marine life.

Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.

Avoid contact with skin and eyes.

Do not inhale vapors.

Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.

Keep from freezing.

Remove contaminated clothing and laundry before reuse.

Keep away from children.

Store between 40 F and 120 F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Showers.

Eyewash stations.

See "Ventilation" below.

RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

PROTECTIVE GLOVES:

Neoprene.

EYE AND FACE PROTECTION:

Monogoggles.

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

1. VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NA		
VAPOR DENSITY (AIR=1)	:	>1		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	AROMATIC		
COLOR	:	-		
ODOR THRESHOLD (PPM)	:	UNK		
% VOLATILE BY VOLUME	:	7.9		
EVAP. RATE (BUTYL ACETATE=1)	:	UNK		
SPECIFIC GRAVITY (WATER=1)	:	1.19		
DENSITY (KG/M3)	:	1190		
ACID/ALKALINITY (MEQ/G)	:	UNK		
PH	:	UNK		
VOC EXCL. H2O & EXEMPTS (G/L)	:	94		
SOLUBILITY IN WATER (20 C)	:	NA		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:	UNKNOWN		

10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide.

Carbon dioxide.

Oxides of nitrogen.

Fumes of aromatic hydrocarbons.

INCOMPATIBILITY (MATERIALS TO AVOID):

Contact with water.

Alcohols.

CONDITIONS TO AVOID:

Avoid any source of ignition.

11. TOXICOLOGICAL INFORMATION

1

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG):

ACUTE DERMAL LD50 (MG/KG):

ACUTE INHALATION LC50 (MG/L):

OTHER:

AMES TEST:

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
Disposal should be made in accordance with federal, state and
local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NONE
DOT HAZARD CLASS: NOT DOT REGULATED
DOT LABEL(S): NONE
UN/NA NUMBER: NONE
PLACARDS: NONE
IATA
NOT REGULATED BY IATA
IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION
EMS No: NA
EUROPEAN CLASS:
RID OCTI): NONE
ADR ECE): NONE
RAR IATA): NONE

15. REGULATORY INFORMATION

SARA SECTION 302:

None Found

1~ SARA (311,312) HAZARD CLASS:

ACUTE HEALTH HAZARD

CHRONIC HEALTH HAZARD

FIRE HAZARD

SARA (313) CHEMICALS:

THIS PRODUCT CONTAINS TOXIC CHEMICAL(S) LISTED BELOW WHICH
IS(ARE) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313
OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT OF 1986 AND 40 CFR PART 372.

XYLENE

1330-20-7

CPSC CLASSIFICATION: NA

WHMIS HAZARD CLASS:

D2A VERY TOXIC MATERIALS

WHMIS TRADE SECRET:

None

EXPORT:

SCHEDULE B/HTSUS: 3214.10 Mastic Based on Rubber

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 2 , REACTIVITY 0 , HEALTH 2

NFPA HEALTH = 2, FLAMMABILITY = 2, REACTIVITY = 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS
WHICH ARE LISTED BELOW:

BENZENE (71-43-2)

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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C = ceiling limit NEGL = negligible
EST= estimated NF = none found
NA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recomm. By vendor
By-product = reaction by- SKN = skin
product, TSCA inventory TS = trade secret
status not required under R = recommended
40 CFR part 720.30(h-2) MST = mist
STEL short term exposure NT = not tested
limit

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California Proposition 65:

WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

California Proposition 65...

Warning! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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